

CROPS

FIELD CROPS

GRAIN CORN production totaled 66.1 million bushels, up slightly from the 1997 level of 66.0 million bushels. Average yield of 114 bushels per acre was up 4 bushels from the previous year. There were 580,000 acres harvested in 1998 compared to 600,000 acres in 1997. The value of production at \$142 million was down 18 percent from last year's \$173 million. Acres harvested for corn silage were down 2 percent from a year earlier: 550,000 in 1998 versus 560,000 in 1997. Value of production for corn silage, at \$223 million, was down 23 percent from the 1997 value of \$289 million. Silage corn production, at 8.80 million tons, increased 5 percent from 1997. Nationally, New York ranked third behind Wisconsin and California in corn silage production.

WHEAT production in 1998 totaled 7.02 million bushels, down 4 percent from 1997's production of 7.28 million bushels. Average yield, at 54 bushels per acre in 1998, was down 2 bushels from the 1997 average of 56 bushels per acre. The value of production, at \$15.1 million, was down 38 percent from \$24.4 million in 1997.

OAT production increased 11 percent from the previous year to 6.51 million bushels. The number of acres harvested, at 105,000 was up 15,000 from a year earlier. Average yield per acre, at 62 bushels, was down 3 bushels from the previous year. The value of New York's oat crop decreased 8 percent from \$9.95 million in 1997 to \$9.11 million in 1998.

RYE acres harvested for grain, at 15,000 acres, was up 8,000 acres from the previous year. Rye production, at

525,000 bushels, was more than double a year earlier. The value of production totaled \$1.05 million, up from \$485,000 in 1997.

ALL DRY HAY production was placed at 3.11 million tons, down 10 percent from 1997 output of 3.44 million tons. Value of production, at \$279 million, makes hay the State's number one crop.

ALFALFA DRY HAY production was 1.47 million tons, 12 percent below the 1997 crop of 1.66 million tons. Value of production was \$148 million in 1998 versus \$183 million in 1997, a 19 percent decrease.

OTHER DRY HAY production, which includes clover-timothy, mixed grasses, etc., was 1.64 million tons, 8 percent lower than 1997's level of 1.78 million tons. Value of production, at \$130 million in 1998 was 9 percent less than the \$143 million obtained in 1997.

POTATO production increased from 7.15 million cwt. in 1997 to 7.29 million in 1998. Yield per acre averaged 270 cwt., 5 cwt. below 1997. Area harvested was 27,000 acres, up 1,000 acres from the year before. Value of production totaled \$68.9 million in 1998 compared to a 1997 value of \$62.6 million.

DRY BEAN production dropped 37 percent to 426,000 cwt. Average yield per acre decreased 140 pounds to 1,420 pounds per acre. Acres harvested was 30,000 acres. The value of production, at \$10.8 million, was down 23 percent from 1997.

1998 CROP SUMMARY

A warm, drier than normal **APRIL** pushed spring fieldwork ahead of schedule. Planting surged forward and timely rainfall encouraged emergence of recently seeded crops and hay growth. Soil moisture was mostly adequate. Onion planting neared completion. Planting of other vegetable crops gained momentum. A late frost damaged fruit crops across the state. Livestock feed supplies were short.

MAY provided excellent weather conditions for planting and harvesting and progress advanced well ahead of usual. Corn planting neared completion by the end of the month; the average progress is only 67 percent planted at this time. Alfalfa was 42 percent harvested, compared to an average of 4 percent. Apples were in good condition. Vegetable planting continued. Tornadoes ripped through eastern areas of the state causing severe damage and disabling some farms. Violent storms across the state produced hail and heavy rain, damaging orchards and vegetable crops.

The third wettest **JUNE** on record stalled fieldwork and increased soil moisture to surplus levels in many fields. Although good for pasture growth, very little dry hay was harvested. Wetness increased disease pressure on fruit and prevented growers from spraying orchards. Dry bean planting neared completion. Oats had headed and upstate potatoes started to bloom.

Wet conditions persisted through the first half of **JULY** but gave way to near ideal weather during the second

half of the month. At the end of July soil moisture had depleted to a level of 40 percent short and 60 percent adequate. Corn was recovering from the wetness; condition was mostly good to excellent. A lot of dry hay was put in the barn. The second cutting of alfalfa reached 81 percent complete. Regrowth was excellent. Wheat harvest wound down, oat harvest picked up momentum. Vegetable harvests were in full swing. Fruit crops were in good condition. Peach harvest got underway.

AUGUST was warm and dry, providing excellent conditions for harvest. Eastern areas of the state were drier than normal for the second consecutive month. Rainfall was needed. Soil moisture supplies fell to 9 percent very short, 26 percent short, and 16 percent adequate. Pastures also deteriorated. The corn crop was in good condition. Corn silage was nearing maturity. Oat harvest reached 93 percent complete with quality and yields rated good. The second cutting of alfalfa was almost complete, the third cutting about half finished, and a fourth cutting began in many areas. Potato harvest got underway about midmonth. Dry beans were being defoliated. Vegetable harvesting continued in high gear. Apple picking had begun by month's end and the Concord grape harvest was just getting underway. Sweet cherry and tart cherry harvests were completed, the pear harvest was 80 percent finished, peaches 60 percent, and pears 40 percent.

SEPTEMBER was warmer and drier than normal. Wide spread violent storms on Labor Day caused considerable

damage to fruit crops. High winds uprooted fruit trees and hail damaged fruit. Fieldwork progressed rapidly during the remainder of the month. Moisture was needed for fall seeded crops. By month's end grain corn was 15 percent harvested and silage corn 63 percent. Progress ran well ahead of normal. Potato digging remained very active and the dry bean harvest shifted into high gear. Orange County onions were 80 percent harvested. McIntosh apple harvest finished by the end of the month and Empire picking began. Cider making was in full swing. Grape harvesting picked up momentum. Concord grapes were in good condition with high sugar levels.

OCTOBER was another warmer and drier than normal month. Soil moisture at month's end was mostly adequate. Warm weather encourage pasture re-growth; conditions were mostly good. Corn was nearly 80 harvested, over twice the normal progress. Harvest remained about two weeks ahead of usual. Hay harvest was essentially done. Soybean, dry bean, and potato harvests were in full swing. Onions were being moved into storage. Most vegetable harvests were finished and growers turned under crop residues. Cabbage and pumpkin harvests moved ahead rapidly. Late apple varieties were still being picked. Grape harvesting in the Finger Lakes finished. Cider making continued.

Table 10. **FIELD CROPS:** Acres, Yield, Production, and Value, 1989-1998

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars per bu.</i>	<i>1,000 dollars</i>
<u>WHEAT</u>						
1989	135	130	45.0	5,850	3.50	20,475
1990	150	145	49.0	7,105	2.70	19,184
1991	115	110	49.0	5,390	3.35	18,057
1992	120	110	56.0	6,160	2.70	16,632
1993	95	85	46.0	3,910	3.30	12,903
1994	120	115	53.0	6,095	3.20	19,504
1995	130	125	55.0	6,875	4.20	28,875
1996	160	150	43.0	6,450	4.15	26,768
1997	135	130	56.0	7,280	3.35	24,388
1998	140	130	54.0	7,020	2.15	15,093
<u>OATS</u>						
1989	180	155	59.0	9,145	1.35	12,346
1990	160	135	61.0	8,235	1.41	11,611
1991	130	100	50.0	5,000	1.56	7,800
1992	140	110	70.0	7,700	1.43	11,011
1993	135	105	62.0	6,510	1.38	8,984
1994	130	110	64.0	7,040	1.42	9,997
1995	110	90	58.0	5,220	1.65	8,762
1996	85	70	55.0	3,850	2.10	8,085
1997	100	90	65.0	5,850	1.70	9,945
1998	115	105	62.0	6,510	1.40	9,114
<u>RYE</u>						
1989	80	15	32.0	480	2.55	1,224
1990	60	10	26.0	260	2.55	663
1991	50	8	33.0	264	2.55	673
1992	52	9	32.0	288	2.05	590
1993	40	8	27.0	216	2.25	486
1994	30	8	31.0	248	2.25	558
1995	42	9	35.0	315	2.25	709
1996	49	8	28.0	224	3.00	672
1997	40	7	33.0	231	2.10	485
1998	50	15	35.0	525	2.00	1,050
<u>BARLEY</u>						
1989	16	12	45.0	540	1.90	1,026
1990	12	9	50.0	450	1.95	878
1991	13	11	45.0	495	1.55	767
1992	12	10	56.0	560	1.75	980
1993	14	12	52.0	624	1.65	1,030
1994	12	9	61.0	549	1.75	961
1995	12	10	65.0	650	1.80	1,170
1996	16	12	54.0	648	3.05	1,976
1997	16	13	54.0	702	2.00	1,404
1998	18	16	50.0	800	1.30	1,040

Table 10. **FIELD CROPS:** Acres, Yield, Production, and Value, 1989-1998 (Continued)

Crop and Year	Planted <u>1/</u>	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Bushels</u>	<u>1,000 bushels</u>	<u>Dollars per bu.</u>	<u>1,000 dollars</u>
<u>SOYBEANS</u>						
1989	37	34	29.0	986	5.40	5,324
1990	40	39	35.0	1,365	5.50	7,508
1991	49	48	31.0	1,488	5.30	7,886
1992	52	50	30.0	1,500	5.25	7,875
1993	56	55	34.0	1,870	6.10	11,407
1994	70	68	41.0	2,788	5.00	13,940
1995	66	63	38.0	2,394	6.20	14,843
1996	76	75	35.0	2,625	6.35	16,669
1997	105	102	37.0	3,774	6.00	22,644
1998	100	97	41.0	3,977	5.30	21,078
<u>CORN FOR GRAIN</u>						
1989	1,150	570	93.0	53,010	2.80	148,428
1990	1,210	620	98.0	60,760	2.44	148,254
1991	1,230	660	98.0	64,680	2.70	174,636
1992	1,150	550	92.0	50,600	2.30	116,380
1993	1,100	540	105.0	56,700	2.85	161,595
1994	1,110	570	116.0	66,120	2.65	181,366
1995	1,130	620	105.0	65,100	3.85	246,593
1996	1,150	630	103.0	64,890	2.98	193,372
1997	1,170	600	110.0	66,000	2.62	172,920
1998	1,130	580	114.0	66,120	2.15	142,158
<u>CORN SILAGE</u>						
			<u>Tons</u>	<u>1,000 tons</u>	<u>Dollars per ton</u>	
1989	-	550	13.0	7,150	23.60	168,740
1990	-	580	15.0	8,700	24.90	216,630
1991	-	550	14.0	7,700	23.80	183,260
1992	-	550	14.5	7,975	22.80	181,830
1993	-	550	14.2	7,810	24.10	188,221
1994	-	540	15.8	8,532	22.70	193,676
1995	-	505	14.0	7,070	24.50	173,215
1996	-	510	15.5	7,905	25.80	203,949
1997	-	560	15.0	8,400	34.40	288,960
1998	-	550	16.0	8,800	25.30	222,640
<u>DRY BEANS 2/</u>						
			<u>Lbs.</u>	<u>1,000 cwt.</u>	<u>Dollars per cwt.</u>	
1989	32	31.0	1,450	450	31.30	14,085
1990	41	39.5	1,700	672	16.00	10,752
1991	36	35.0	1,380	483	19.00	9,177
1992	35	29.0	1,050	305	23.40	7,137
1993	37	34.0	1,350	459	19.40	8,905
1994	39	38.5	1,520	585	20.30	11,876
1995	34	33.0	1,630	538	18.10	9,738
1996	30	29.0	1,300	377	27.00	10,179
1997	44	43.5	1,560	679	20.60	13,987
1998	31	30.0	1,420	426	25.30	10,778

1/ Complete utilization of corn acreage planted is shown on page 23. Corn planted acreage includes corn for grain, silage, forage, and abandoned acres.

2/ Production by major varieties is shown on page 22.

Table 10. **FIELD CROPS:** Acres, Yield, Production, and Value, 1989-1998 (Continued)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<u>1,000 acres</u>	<u>1,000 acres</u>	<u>Tons</u>	<u>1,000 tons</u>	<u>Dollars per ton</u>	<u>1,000 dollars</u>
<u>ALFALFA HAY</u>						
1989	-	840	2.45	2,058	88.00	181,104
1990	-	860	2.55	2,193	85.50	187,502
1991	-	760	2.50	1,900	84.50	160,550
1992	-	800	2.35	1,880	95.50	179,540
1993	-	700	2.45	1,715	97.00	166,355
1994	-	620	2.95	1,829	93.00	170,097
1995	-	650	2.60	1,690	94.00	158,860
1996	-	640	2.70	1,728	99.50	171,936
1997	-	640	2.60	1,664	110.00	183,040
1998	-	600	2.45	1,470	101.00	148,470
<u>OTHER HAY</u>						
1989	-	1,240	2.00	2,480	60.50	150,040
1990	-	1,120	1.95	2,184	64.50	140,868
1991	-	1,190	1.85	2,202	72.00	158,544
1992	-	900	1.90	1,710	76.50	130,815
1993	-	1,050	1.80	1,890	74.50	140,805
1994	-	1,040	2.05	2,132	75.00	159,900
1995	-	950	1.85	1,758	72.00	126,576
1996	-	870	2.00	1,740	74.50	129,630
1997	-	890	2.00	1,780	80.50	143,290
1998	-	800	2.05	1,640	79.50	130,380
<u>ALL HAY 1/</u>						
1989	-	2,080	2.18	4,538	75.50	331,144
1990	-	1,980	2.21	4,377	77.00	328,370
1991	-	1,950	2.10	4,102	77.50	319,094
1992	-	1,700	2.11	3,590	88.00	310,355
1993	-	1,750	2.06	3,605	90.50	307,160
1994	-	1,660	2.39	3,961	84.50	329,997
1995	-	1,600	2.16	3,448	85.50	285,436
1996	-	1,510	2.30	3,468	87.00	301,566
1997	-	1,530	2.25	3,444	94.00	326,330
1998	-	1,400	2.22	3,110	89.50	278,850

1/ All hay price is based on weighted sales, not production.

Table 11. **POTATOES:** Acreage, Yield, Production, and Disposition, Sales, and Value, 1989-1998

Crop Year	Planted	Harvested	Yield per acre	Production	Used on farms where grown <u>1/</u>	Sold	Marketing year average price	Value	
								Production	Sales
	<u>Acres</u>	<u>Acres</u>	<u>Cwt.</u>	----- <u>1,000 cwt.</u> -----		<u>Dollars per cwt.</u>		<u>1,000 dollars</u>	
1989	30,000	28,800	230	6,628	383	6,245	8.70	57,664	54,331
1990	29,000	28,500	277	7,890	430	7,460	7.40	58,386	55,204
1991	29,600	29,500	234	6,917	542	6,375	8.70	60,178	55,463
1992	28,200	27,000	289	7,808	1,043	6,765	6.65	51,923	44,987
1993	28,800	28,200	273	7,693	585	7,108	8.20	63,083	58,286
1994	29,100	28,600	273	7,805	548	7,257	9.75	76,190	70,814
1995	28,000	27,500	270	7,425	445	6,980	7.45	55,316	52,001
1996	27,000	26,500	280	7,420	468	6,952	7.30	54,166	50,750
1997	26,500	26,000	275	7,150	454	6,696	8.75	62,563	58,590
1998	27,600	27,000	270	7,290	<u>2/</u>	<u>2/</u>	9.45	68,891	<u>2/</u>

1/ Includes feed and seed used on farms where produced and shrinkage during storage.

2/ Available September 22, 1999.Table 12. **POTATOES:** Stocks Held by Growers and Local Dealers, 1989-1998 1/

Crop Year	December 1	January 1	February 1	March 1	April 1
	<i>1,000 cwt.</i>				
1989	3,100	2,100	1,500	<u>2/</u>	<u>2/</u>
1990	3,150	2,210	1,220	<u>2/</u>	<u>2/</u>
1991	3,050	2,450	1,700	<u>2/</u>	<u>2/</u>
1992	3,000	3,100	2,240	<u>2/</u>	<u>2/</u>
1993	3,650	2,000	1,200	<u>2/</u>	<u>2/</u>
1994	4,200	3,000	1,800	<u>2/</u>	<u>2/</u>
1995	3,400	2,500	1,500	900	400
1996	3,700	2,400	1,400	800	350
1997	3,600	2,500	1,500	800	400
1998	3,800	2,500	1,600	900	350

1/ Total stocks consist of production less total disappearance to date. Disappearance includes all sales for all purposes, all potatoes eaten or fed on farms where produced and all losses to date through shrinkage, decay, dumping, etc.

2/ Not published to avoid disclosure of individual operations.

Table 13. **DRY BEANS:** Acreage, Yield, Production, and Off-Farm Stocks, by Class, 1989-1998

Crop Year	Acres		Yield per acre	Production	Off-Farm Stocks		
	Planted	Harvested			Jan. 1	Apr. 1	Sept. 1
	<i>1,000 acres</i>		<i>Cwt.</i>	<i>1,000 cwt.</i>		<i>1,000 cwt.</i>	
<u>RED KIDNEY</u>							
1989	22.0	21.5	14.8	318	120	58	5
1990 Light	21.0	20.0	16.8	336	152	67	6
1990 Dark	5.5	5.4	16.9	91	3	1	-
1991 Light	20.0	19.5	13.6	266	151	102	1/
1991 Dark	4.5	4.3	15.3	66	8	6	1/
1992 Light	19.5	16.0	9.7	155	99	63	1/
1992 Dark	3.5	2.6	10.8	28	1	1/	-
1993 Light	20.0	18.0	12.8	230	142	63	1/
1993 Dark	5.0	4.8	12.5	60	1	-	-
1994 Light	21.0	20.5	14.8	303	138	81	1/
1994 Dark	5.0	5.0	14.6	73	-	-	-
1995 Light	19.0	18.0	16.2	292	125	72	1/
1995 Dark	4.0	4.0	16.0	64	-	-	1/
1996 Light	16.5	16.0	12.7	203	113	78	1/
1996 Dark	3.5	3.0	12.7	38	1/	1/	1/
1997 Light	25.0	24.5	15.8	387	80	60	1/
1997 Dark	2.0	2.0	16.5	33	1/	1/	1/
1998 Light	16.0	15.5	13.5	209	113	56	2/
1998 Dark	2.0	2.0	16.0	32	1/	1/	2/
<u>BLACK</u>							
1989	7.1	6.8	14.1	96	28	16	1
1990	10.0	9.8	17.6	172	51	22	4
1991	8.0	7.8	12.7	99	65	60	1/
1992	8.5	7.2	12.5	90	52	36	11
1993	8.0	7.5	16.0	120	92	37	12
1994	9.0	9.0	16.2	146	90	45	12
1995	8.0	8.0	16.9	135	93	58	15
1996	7.0	7.0	14.3	100	63	49	14
1997	13.0	13.0	15.3	199	58	35	11
1998	10.5	10.0	14.7	147	82	52	2/
<u>OTHER CLASSES</u>							
1989	2.9	2.7	13.3	36	14	2	1
1990	4.5	4.3	17.0	73	17	12	6
1991	3.5	3.4	15.3	52	20	15	8
1992	3.5	3.2	10.0	32	17	1/	1/
1993	4.0	3.7	13.2	49	16	2	1/
1994	4.0	4.0	15.8	63	23	12	1/
1995	3.0	3.0	15.7	47	35	12	5
1996	3.0	3.0	12.0	36	1/	1/	7
1997	4.0	4.0	15.0	60	1/	1/	16
1998	2.5	2.5	15.2	38	1/	1/	2/
<u>ALL CLASSES</u>							
1989	32.0	31.0	14.5	450	162	76	7
1990	41.0	39.5	17.0	672	223	102	16
1991	36.0	35.0	13.8	483	244	183	82
1992	35.0	29.0	10.5	305	169	106	36
1993	37.0	34.0	13.5	459	251	102	25
1994	39.0	38.5	15.2	585	251	138	24
1995	34.0	33.0	16.3	538	253	142	26
1996	30.0	29.0	13.0	377	211	146	26
1997	44.0	43.5	15.6	679	159	127	34
1998	31.0	30.0	14.2	426	210	108	2/

1/ Included in total to avoid disclosure of individual operations.

2/ Available September 1999.

Table 14. **CORN:** Acreage Utilization, 1989-1998

Crop Year	Total acres planted	Acres harvested for					
		All Grain	Dry Shelled	High Moisture Shelled	High Moisture Ground Ear	Silage	Forage and abandoned
		<i>1,000 acres</i>					
1989	1,150	570	350	160	60	550	30
1990	1,210	620	380	180	60	580	10
1991	1,230	660	430	175	55	550	20
1992	1,150	550	400	120	30	550	50
1993	1,100	540	390	120	30	550	10
1994	1,110	570	420	120	30	540	0
1995	1,130	620	460	130	30	505	5
1996	1,150	630	435	175	20	510	10
1997	1,170	600	450	120	30	560	10
1998	1,130	580	435	115	30	550	0

Table 15. **HAY:** Stocks on Farms, 1989-1998

Crop Year	Total production	Stocks Following Harvest			
		December 1		May 1	
		Stocks	Percent of production	Stocks	Percent of production
	<i>1,000 tons</i>	<i>1,000 tons</i>	<i>Percent</i>	<i>1,000 tons</i>	<i>Percent</i>
1989	4,538	3,177	70	998	22
1990	4,377	3,502	80	1,007	23
1991	4,102	2,666	65	615	15
1992	3,590	2,334	65	503	14
1993	3,605	1,983	55	361	10
1994	3,961	2,377	60	594	15
1995	3,448	2,069	60	552	16
1996	3,468	2,254	65	552	16
1997	3,444	1,998	59	555	17
1998	3,110	1,990	62	344	12

NEW YORK FEED GRAIN DEFICIT IN 1998

New York feed grain production (*corn, oats, barley*) in 1998 rose 1 percent from a year earlier, but was more than offset by a 4 percent increase in the quantity of grain fed. The number of grain consuming animal units remained unchanged from 1997, but an increase in the quantity of grain fed per animal pushed New York's feed grain deficit above that of the previous year.

Although the feed grain deficit in recent years has been lower than in the 1970's and 1980's, feed grain is brought into New York annually to meet the feeding requirements of the State's livestock and poultry industry. Feed grain produced in New York during 1998 met 93 percent of the State's feeding requirements. In 1997 it met 96 percent of the State's feeding requirements.

Table 16. **FEED GRAIN:** Production and Quantities Fed, 1989-1998

Year	Quantity Produced	Quantity Fed	Quantity of Deficit
	<i>1,000 tons</i>		
1989	1,643	2,163	520
1990	1,844	2,207	363
1991	1,903	2,239	336
1992	1,553	2,271	718
1993	1,707	2,191	484
1994	1,977	2,113	136
1995	1,923	2,134	211
1996	1,895	2,111	216
1997	1,959	2,048	89
1998	1,974	2,130	156



VEGETABLES

The value of New York's 1998 vegetable production totaled 259 million dollars, 20 percent higher than the 215 million dollar value of the 1997 vegetable crop. The value of the Empire State's principle fresh market vegetables at 209 million dollars is up 22 percent from 1997, while the value of the principle processing vegetables at 49.8 million dollars increased 15 percent from last year.

The year-end estimate of production for the principle New York vegetable crops grown for fresh market in 1998 is 13.1 million hundredweight (cwt.). This is an increase of 2 percent from the 12.9 million cwt. produced in 1997 and 31 percent higher than the 10.0 million cwt. produced in 1996.

New York's fresh market **CABBAGE** production for 1998, estimated at 4.60 million cwt., is down 14 percent from 1997's production of 5.38 million cwt. New York ranks second in the nation for the production of fresh market cabbage.

New York's fresh market **SWEET CORN** production for 1998 is estimated at 2.63 million cwt., up 32 percent from the 1.99 million cwt. crop of 1997. Fresh market **SNAP BEAN** production for 1998, estimated at 329,000 cwt. is up 4 percent from last year's crop of 316,000 cwt.

ONION production in New York for both fresh market and processing sales is estimated at 3.75 million cwt. for 1998. This is an increase of 2 percent from the 3.66 million cwt. produced in 1997 and 37 percent above 1996.

The 1998 production estimate for New York's principle processing **VEGETABLE CROPS** is 459,600 tons, 10 percent lower than the 510,400 tons produced in 1997. The state's production during 1998 of **SNAP BEANS** for processing is estimated at 76,960 tons, 1 percent lower than the 77,520 tons grown in 1997. Production of **SWEET CORN** for processing is estimated at 219,520 tons, 13 percent below the 251,520 tons produced in 1997. **GREEN PEA** processing production

in 1998 is estimated at 38,500 tons, 4 percent less than 1997 production levels. Production of **CABBAGE FOR KRAUT** at 61,800 tons is 11 percent lower than the 69,230 tons produced in 1997. New York ranked second in the nation in the production of cabbage for kraut in 1998.

**Table 17. PRINCIPAL VEGETABLES
FOR FRESH MARKET ^{1/}**

Year	Planted	Harvested	Production	Value
	<u>1,000 acres</u>		<u>1,000 cwt.</u>	<u>Million dol.</u>
1989	72.3	67.1	11,858	173.0
1990	72.9	68.9	15,405	163.9
1991	72.6	68.4	13,586	197.8
1992	72.5	63.8	12,080	157.0
1993	65.4	61.3	12,842	183.8
1994	67.5	63.5	13,824	168.4
1995	72.8	68.4	13,404	176.9
1996	65.1	61.1	10,019	108.7
1997	67.7	64.3	12,893	172.1
1998	71.6	68.7	13,115	209.2

^{1/} Includes processing totals for dual usage crops (carrots 1989-1992; cauliflower 1989-1998).

**Table 18. PRINCIPAL VEGETABLES
FOR PROCESSING ^{1/}**

Year	Planted	Harvested	Production	Value
	<u>1,000 acres</u>		<u>1,000 tons</u>	<u>Million dol.</u>
1989	72.8	70.2	327.1	32.3
1990	75.0	68.7	385.2	36.4
1991	74.4	71.1	310.7	33.0
1992	70.1	63.2	316.6	29.6
1993	72.6	67.2	431.4	41.4
1994	67.0	63.6	422.7	38.0
1995	89.4	86.4	452.6	45.3
1996	86.9	84.2	432.7	44.5
1997	90.1	87.6	510.4	43.3
1998	90.2	84.9	459.6	49.8

^{1/} Beginning in 1993, includes carrots.

Table 19. **VEGETABLES FOR FRESH MARKET:** Acres, Yield, Production, and Value, 1989-1998

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
<u>CARROTS 1/</u>						
1989	1,300	1,200	360	432	8.91	3,847
1990	1,300	1,200	365	438	8.55	3,745
1991	1,300	1,200	430	516	14.60	7,558
1992	1,500	1,300	390	507	15.40	7,807
1993	880	680	335	228	16.00	3,648
1994	700	700	395	277	16.00	4,432
1995	750	750	320	240	14.00	3,360
1996	600	600	220	132	15.00	1,980
1997	650	600	280	168	16.00	2,688
1998	500	500	300	150	16.00	2,400
<u>CAULIFLOWER 1/</u>						
1989	2,500	2,200	117	258	29.80	7,679
1990	2,000	1,800	120	216	26.90	5,811
1991	1,700	1,400	146	204	26.90	5,477
1992	1,700	1,300	118	154	36.00	5,545
1993	1,500	1,200	150	180	42.00	7,560
1994	1,500	1,300	135	176	40.80	7,181
1995	1,300	1,200	155	186	25.80	4,799
1996	1,100	1,000	140	140	33.30	4,662
1997	1,100	1,000	200	200	34.80	6,960
1998	1,400	1,400	195	273	35.30	9,637
<u>CUCUMBERS</u>						
1989	3,100	2,900	105	305	21.40	6,527
1990	3,300	3,200	134	429	12.10	5,191
1991	3,400	3,300	145	479	16.60	7,951
1992	3,600	3,400	140	476	18.70	8,901
1993	3,900	3,800	145	551	12.10	6,667
1994	3,300	3,300	130	429	14.70	6,306
1995	3,500	3,400	130	442	15.10	6,674
1996	4,100	3,900	100	390	17.30	6,747
1997	3,100	3,000	200	600	21.40	12,840
1998	3,800	3,800	200	760	19.30	14,668
<u>LETTUCE</u>						
1989	2,700	2,400	205	492	14.50	7,134
1990	3,000	2,600	200	520	15.60	8,112
1991	3,000	2,600	190	494	14.10	6,965
1992	2,600	1,900	160	304	25.60	7,782
1993	1,300	1,100	230	253	15.70	3,972
1994	1,100	1,000	245	245	15.90	3,896
1995	1,000	900	150	135	15.50	2,093
1996	900	800	100	80	13.00	1,040
1997	800	700	280	196	15.00	2,940
1998	700	600	275	165	20.00	3,300

1/ Includes quantities used for processing, carrots 1989-1992, cauliflower 1989-1998.

Table 19. **VEGETABLES FOR FRESH MARKET:** Acres, Yield, Production, and Value, 1989-1998 (Continued)

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dollars</i>
SNAP BEANS						
1989	6,200	6,000	53	318	34.30	10,907
1990	4,300	4,000	65	260	31.30	8,138
1991	4,800	4,600	70	322	31.10	10,014
1992	4,200	3,700	40	148	29.50	4,366
1993	4,200	4,100	75	308	28.70	8,840
1994	5,200	4,600	105	483	28.10	13,572
1995	5,100	4,100	55	226	38.50	8,701
1996	4,200	3,900	40	156	49.30	7,691
1997	5,300	5,100	62	316	54.80	17,317
1998	5,400	5,300	62	329	50.60	16,647
SWEET CORN						
1989	26,100	24,800	80	1,984	15.10	29,958
1990	27,600	26,500	80	2,120	11.50	24,380
1991	28,600	26,500	75	1,988	14.20	28,230
1992	29,400	25,400	65	1,651	11.90	19,647
1993	25,000	23,000	85	1,955	11.90	23,265
1994	27,000	25,700	100	2,570	12.70	32,639
1995	32,800	30,500	85	2,593	18.90	49,008
1996	28,800	27,100	75	2,033	14.80	30,088
1997	29,200	27,300	73	1,993	14.90	29,696
1998	30,700	29,200	90	2,628	18.10	47,567
TOMATOES						
1989	2,600	2,500	170	425	37.70	16,023
1990	2,900	2,800	160	448	36.60	16,397
1991	2,800	2,700	140	378	38.60	14,591
1992	2,900	2,200	80	176	38.90	6,846
1993	2,500	2,300	120	276	36.00	9,936
1994	2,700	2,500	160	400	36.90	14,760
1995	2,600	2,400	125	300	24.60	7,380
1996	2,100	1,900	80	152	22.10	3,359
1997	3,400	3,200	120	384	29.10	11,174
1998	3,400	3,300	140	462	29.00	13,398

Table 20. **CABBAGE FOR FRESH MARKET:** Acres, Yield, Production, Sales, and Value, 1989-1998

Crop Year	Planted	Harvested	Yield per acre	Production	Sales ^{1/}	Marketing year average price	Value of Sales	January 1 Stocks
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dol.</i>	<i>1,000 cwt.</i>
1989	14,200	13,500	338	4,560	4,132	12.09	49,949	1,040
1990	15,200	14,200	439	6,230	5,159	7.99	41,215	1,760
1991	14,300	13,900	395	5,490	4,730	12.00	56,762	1,060
1992	13,500	12,100	342	4,137	3,600	7.96	28,647	1,010
1993	13,600	13,100	410	5,371	5,054	8.91	45,031	1,250
1994	12,800	12,000	450	5,400	4,855	8.48	41,170	1,320
1995	12,900	12,500	420	5,250	4,935	8.90	43,922	1,390
1996	11,000	10,500	400	4,200	3,746	8.08	30,268	1,263
1997	11,600	11,200	480	5,376	4,785	9.70	46,415	1,725
1998	12,600	12,100	380	4,598	4,194	11.90	49,909	1,613

^{1/} Excludes quantities lost from shrinkage and waste.

Table 21. **ONIONS FOR FRESH MARKET:** Acres, Yield, Production, and Value, 1989-1998

Crop Year	Planted	Harvested	Yield per acre	Production	Sales ^{1/}	Marketing year average price	Value of Sales
	<i>Acres</i>	<i>Acres</i>	<i>Cwt.</i>	<i>1,000 cwt.</i>	<i>1,000 cwt.</i>	<i>Dollars per cwt.</i>	<i>1,000 dol.</i>
1989	13,200	11,200	260	2,912	2,533	14.50	36,770
1990	12,900	12,200	380	4,636	3,565	13.90	49,421
1991	12,300	11,800	300	3,540	3,263	17.60	57,282
1992	12,800	12,200	360	4,392	3,628	17.10	61,990
1993	12,500	12,000	310	3,720	3,497	21.40	74,834
1994	13,200	12,400	310	3,844	3,422	13.00	44,486
1995	12,800	12,600	320	4,032	3,690	13.80	50,922
1996	12,300	11,400	240	2,736	2,345	9.80	22,911
1997	12,500	12,200	300	3,660	3,309	12.70	42,024
1998	13,100	12,500	300	3,750	3,187	16.30	51,948

^{1/} Excludes quantities lost from shrinkage and waste.

Table 22. **ONIONS:** Acres, Yield, and Production, by Area, 1989-1998

Year	Orange County	Orleans-Genesee ^{1/}	Oswego County	Madison	Steuben-Yates-Ontario	Wayne & Other	State
HARVESTED ACRES							
1989	6,000	1,500	1,800	650	800	450	11,200
1990	6,000	2,450	2,000	450	900	400	12,200
1991	5,400	2,700	1,900	550	850	400	11,800
1992	5,500	2,500	2,000	800	1,100	300	12,200
1993	5,200	2,700	1,900	600	1,200	400	12,000
1994	5,600	2,600	1,900	700	1,300	300	12,400
1995	5,700	2,700	1,800	800	1,300	300	12,600
1996	5,400	2,400	1,900	500	900	300	11,400
1997	5,800	2,500	2,200	400	1,000	300	12,200
1998	4,700	3,400	2,800	200	1,100	300	12,500
YIELD PER ACRE - Cwt.							
1989	250	210	280	280	360	273	260
1990	390	380	380	280	400	300	380
1991	310	225	380	200	350	320	300
1992	380	390	330	230	360	290	360
1993	300	300	360	250	350	240	310
1994	390	310	370	280	320	330	310
1995	330	320	350	200	320	270	320
1996	190	280	290	290	310	240	240
1997	270	280	390	250	350	290	300
1998	200	370	370	280	360	210	300
PRODUCTION - 1,000 Cwt.							
1989	1,500	315	504	182	288	123	2,912
1990	2,340	930	760	126	360	120	4,636
1991	1,674	608	722	110	298	128	3,540
1992	2,090	975	660	184	396	87	4,392
1993	1,560	810	684	150	420	96	3,720
1994	1,624	806	703	196	416	99	3,844
1995	1,881	864	630	160	416	81	4,032
1996	1,017	672	551	145	279	72	2,736
1997	1,566	700	858	100	350	86	3,660
1998	940	1,258	1,036	56	397	63	3,750

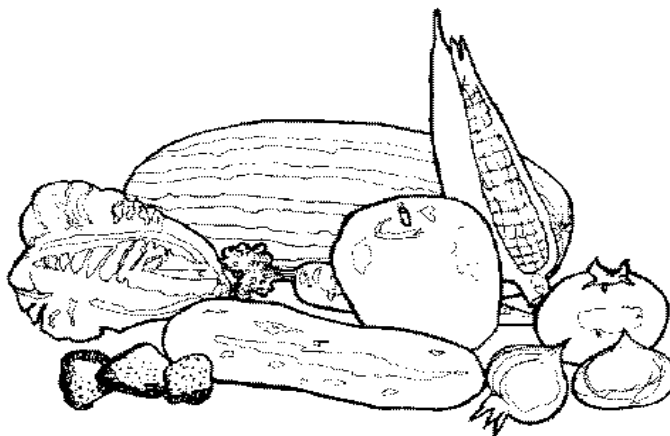
^{1/} Includes small acreages in Livingston and Niagara Counties.

Table 23. **VEGETABLES FOR PROCESSING:** Acres, Yield, Production, and Value, 1989-1998

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
BEETS						
1989	2,100	2,000	13.70	27,400	64.50	1,767
1990	2,300	2,200	16.67	36,674	60.50	2,219
1991	2,300	1,900	15.38	29,222	56.20	1,642
1992	2,000	1,900	15.25	28,980	61.60	1,785
1993	2,600	2,600	14.70	38,220	69.80	2,668
1994	2,900	2,900	15.40	44,660	58.90	2,630
1995	3,900	3,900	11.00	42,900	59.40	2,548
1996	4,200	4,200	9.90	41,580	75.20	3,127
1997	2,700	2,700	15.00	40,500	64.70	2,620
1998	2,300	2,300	12.00	27,600	78.50	2,167
CABBAGE FOR KRAUT						
1989	2,600	2,600	25.77	67,000	38.10	2,553
1990	2,100	2,000	27.00	54,000	40.80	2,203
1991	2,400	2,400	23.33	56,000	38.00	2,128
1992	1,500	1,400	25.00	35,000	39.00	1,365
1993	2,100	2,000	36.50	73,000	49.00	3,577
1994	2,100	2,100	29.00	60,900	40.00	2,436
1995	3,000	3,000	17.00	51,000	39.80	2,030
1996	3,000	3,000	15.50	46,500	40.20	1,869
1997	2,300	2,300	30.10	69,230	46.30	3,205
1998	3,000	3,000	20.60	61,800	46.40	2,868
GREEN PEAS						
1989	11,500	10,600	1.60	16,960	285.00	4,834
1990	10,500	10,000	1.76	17,600	292.00	5,139
1991	11,500	11,300	1.30	14,690	340.00	4,995
1992	12,800	10,400	2.12	22,050	267.00	5,887
1993	13,200	11,900	1.86	22,130	251.00	5,555
1994	10,200	9,700	2.54	24,640	286.00	7,047
1995	18,400	18,200	1.66	30,210	316.00	9,546
1996	15,100	14,400	1.92	27,650	306.00	8,461
1997	18,900	18,200	2.21	40,220	210.00	8,446
1998	19,600	17,500	2.20	38,500	330.00	12,705
SNAP BEANS						
1989	26,400	25,200	2.76	69,550	188.00	13,075
1990	24,400	22,600	3.10	70,060	184.00	12,891
1991	23,800	23,400	3.15	73,710	190.00	14,005
1992	18,700	17,600	2.45	43,120	178.00	7,675
1993	18,300	16,900	3.20	54,080	199.00	10,762
1994	18,000	17,300	3.52	60,900	171.00	10,414
1995	22,300	21,400	3.59	76,830	165.00	12,677
1996	21,100	20,200	3.50	70,700	186.00	13,150
1997	23,500	22,800	3.40	77,520	148.00	11,473
1998	21,200	20,800	3.70	76,960	176.00	13,545

Table 23. **VEGETABLES FOR PROCESSING:** Acres, Yield, Production, and Value, 1989-1998 *(Continued)*

Crop and Year	Planted	Harvested	Yield per acre	Production	Marketing year average price	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
<u>SWEET CORN</u>						
1989	28,000	27,700	4.00	110,800	60.80	6,737
1990	33,300	29,700	5.60	166,320	59.70	9,929
1991	33,200	31,100	3.80	118,180	70.20	8,296
1992	33,900	30,800	5.50	169,400	65.20	11,045
1993	33,400	30,800	6.90	212,520	76.60	16,279
1994	32,500	30,300	6.80	206,040	65.40	13,475
1995	40,300	38,500	5.80	223,300	73.60	16,435
1996	41,900	40,900	5.50	224,950	72.30	16,264
1997	40,400	39,300	6.40	251,520	60.10	15,116
1998	42,000	39,200	5.60	219,520	70.60	15,498
<u>CARROTS</u>						
1993	620	620	22.58	14,000	52.00	728
1994	700	700	20.14	14,100	59.50	839
1995	850	830	20.00	16,600	54.30	901
1996	1,100	1,100	14.00	15,400	60.70	935
1997	1,500	1,500	17.00	25,500	61.30	1,563
1998	1,200	1,200	23.00	27,600	63.90	1,764



FRUITS AND BERRIES

The value of New York's 1998 tree fruit and grape production totaled \$169 million, down 16 percent from the 1997 value. The value of utilized production was below the previous year for all fruits except sweet cherries, pears, blueberries and strawberries.

The 1998 **APPLE** crop in New York was down 4 percent to 1,070 million pounds. McIntosh was the leading variety produced in the State, accounting for 22 percent of the total production. Following McIntosh were Rome, Empire, and Red Delicious. This year's value of utilized apple production, based on packinghouse door equivalent returns, totaled \$110 million. New York ranks second in apple production behind Washington.

GRAPE production in New York decreased 8 percent from 1997 to 128,000 tons. Fresh grapes totaled 2,000 tons while 123,000 tons were crushed by wineries and processors. Grapes utilized for juice accounted for 71 percent of the total grapes processed with the remaining 29 percent going for wine.

The value of the 1998 grape crop is estimated at \$38.1 million, 2 percent below the 1997 crop value. New York ranked third in grape production behind California and Washington.

New York's **TART CHERRY** crop is estimated at 14.0 million pounds, down 3 percent from the 1997 crop of 14.5 million pounds. The value of utilized production is estimated at \$2.20 million. New York ranked fourth nationally in tart cherry production.

New York **SWEET CHERRY** production, at 700 tons, is up 8 percent from the 650 tons produced in 1997. The 1998 crop is valued at \$1.35 million compared to \$1.07 million a year ago.

PEACH production for the Empire State is placed at 10.0 million pounds, down 17 percent from the 1997 level. The value of the 1998 crop, at \$3.54 million, is down 33 percent from 1997.

Production of **PEARS** in New York is estimated at 11,500 tons, up 44 percent from the 1997 output of 8,000 tons. The 1998 crop is valued at \$3.75 million, up 22 percent from 1997. New York ranks fourth nationally in pear production.

STRAWBERRY production, at 6.1 million pounds, was down 9 percent from the 6.7 million pounds produced in 1997. The 1998 crop is valued at \$7.02 million compared with \$6.77 million a year ago. New York ranks eighth in strawberry production.

Cultivated **BLUEBERRY** production for 1998 was estimated at 1.7 million pounds. Utilized production totaled 1.6 million pounds with a total value of production of \$1.64 million. New York ranks ninth nationally in blueberry production.

Table 24. **FRUIT:** Production and Value of Major Fruits, 1989-1998 ^{1/}

Year	Utilized Production	Value
	<i>Tons</i>	<i>1,000 dollars</i>
1989	673,580	165,394
1990	675,700	192,849
1991	759,500	213,044
1992	793,460	176,006
1993	589,440	158,723
1994	777,620	191,833
1995	756,070	191,977
1996	732,200	210,319
1997	722,720	202,768
1998	630,350	169,399

^{1/} Includes apples, grapes, tart and sweet cherries, peaches, pears and strawberries.
Beginning in 1992, also includes blueberries.
Beginning in 1995, also includes red raspberries.

Table 25. **APPLES:** Bearing Acres, Production, and Value, 1989-1998

Crop Year	Acres of bearing age	Production		Value	
		Total	Utilized production	Marketing year average price 1/	Value of utilized production
	<i>Thousands</i>	<i>Million pounds</i>		<i>Cents per lb.</i>	<i>1,000 dollars</i>
1989	58.0	960	960	10.40	99,960
1990	56.0	990	990	12.90	127,810
1991	55.0	1,050	1,050	12.70	132,930
1992	56.0	1,170	1,170	9.90	116,090
1993	56.0	870	870	11.60	101,090
1994	57.0	1,100	1,100	11.80	129,680
1995	57.5	1,110	1,110	12.10	134,490
1996	57.5	1,030	1,030	13.50	138,850
1997	55.0	1,120	1,120	12.60	141,320
1998	55.0	1,070	960	11.40	109,560

1/ Packinghouse door equivalent.

Table 26. **APPLES:** Utilization and Price, 1989-1998

Crop Year	Fresh Use		Processed			
	Quantity	Marketing year average price 1/	Total	Marketing year average price 1/	Canned	Marketing year average price 1/
	<i>Million lbs.</i>	<i>Cents per lb.</i>	<i>Million lbs.</i>	<i>\$ per ton</i>	<i>Million lbs.</i>	<i>\$ per ton</i>
1989	440	14.8	520	133	294	142
1990	520	17.8	470	150	256	160
1991	420	20.1	630	153	283	168
1992	520	14.2	650	129	310	146
1993	400	17.4	470	133	218	150
1994	490	18.0	610	135	283	148
1995	480	18.7	630	141	271	156
1996	500	17.7	530	190	300	212
1997	520	17.6	600	166	335	186
1998	420	15.8	540	160	292	192

Crop Year	Processed					
	Juice and Cider	Marketing year average price 1/	Frozen	Marketing year average price 1/	Other 2/	Marketing year average price 1/
	<i>Million lbs.</i>	<i>\$ per ton</i>	<i>Million lbs.</i>	<i>\$ per ton</i>	<i>Million lbs.</i>	<i>\$ per ton</i>
1989	124	90	70	164	32	156
1990	135	114	58	184	21	158
1991	270	134	54	162	23	170
1992	250	98	62	160	28	146
1993	155	92	63	164	34	152
1994	195	100	67	164	65	156
1995	280	122	59	168	20	180
1996	182	146	35	226	13	188
1997	160	106	88	202	17	144
1998	170	92	68	200	10	129

1/ Packinghouse door equivalent.

2/ Includes vinegar, jelly, apple butter, mincemeat, fresh slices, and dried.

Table 27. **APPLES:** Total Production, by Variety, 1989-1998

Variety	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Cortland	70	65	80	80	60	80	80	75	80	75
Crispin (Mutsu)	20	15	20	15	10	20	25	30	40	45
Delicious	95	110	120	140	85	115	115	115	120	95
Empire	50	55	55	65	65	80	95	110	130	100
Golden Delicious	45	55	50	55	40	50	40	40	40	55
Gala <u>2/</u>										5
Gingergold <u>2/</u>										5
Idared	75	85	80	90	75	85	80	70	80	95
Jerseymac <u>1/</u>							10	10	10	5
Jonagold <u>1/</u>							15	20	25	20
Jonamac <u>1/</u>							15	15	20	20
Macoun <u>1/</u>							10	15	15	10
McIntosh	195	190	240	280	175	250	235	220	215	230
Northern Spy	17	15	20	20	25	20	15	10	15	10
Paula Red <u>1/</u>							15	10	15	15
R.I. Greening	135	95	125	135	110	115	105	90	75	75
Rome	110	155	130	145	110	150	155	120	155	135
Spartan <u>1/</u>							15	10	20	20
Twenty Ounce	50	45	40	40	40	40	35	25	25	25
Other	98	105	90	105	75	95	50	45	40	30
All Varieties	960	990	1,050	1,170	870	1,100	1,110	1,030	1,120	1,070
<i>Thousand bushels (42 pounds per bushel)</i>										
All Varieties	22,857	23,571	25,000	27,857	20,714	26,190	26,429	24,524	26,667	25,476

1/ Estimates began in 1995.2/ Estimates began in 1998.Table 28. **APPLES:** Receipts and Utilization at New York Processing Plants and Cider Mills, 1989-1998

Crop Year	Total received <u>1/</u>	Receipts from other states <u>2/</u>	Used for canning and applesauce	Used for juice and cider	Used for freezing	Other products <u>3/</u>	Cider and juice made <u>4/</u>
	<i>Million pounds</i>						<i>Thous. gal.</i>
1989	445.6	32.1	232.5	121.0	60.4	31.5	10,965
1990	436.7	55.9	220.2	144.2	51.6	20.7	13,864
1991	645.7	86.0	274.2	294.5	53.4	23.6	26,298
1992	634.3	54.0	297.1	246.4	62.4	28.4	24,640
1993	489.1	56.7	214.2	184.6	69.2	21.2	15,510
1994	530.8	40.3	238.2	198.1	70.1	24.4	17,534
1995	624.7	68.1	258.8	281.1	64.2	20.6	23,170
1996	464.3	49.5	235.9	184.2	34.3	9.9	17,595
1997	505.6	54.0	257.0	152.9	84.4	11.3	20,150
1998	471.8	34.0	241.8	144.8	78.1	7.1	17,379

1/ Excludes New York grown apples processed in other states.2/ Included in preceding column.3/ Jelly, apple butter, mincemeat, fresh sliced apples for pies, dried apples, and vinegar.4/ Unconcentrated.

Table 29. **APPLES:** Processing Plants in Operation and Establishments
Making Specified Products, 1989-1998

Crop Year	Plants in operation	Plants Making		
		Juice and Cider	Canned apple products ^{1/}	Frozen apple products
1989	84	78	5	3
1990	73	67	5	4
1991	75	68	5	5
1992	77	71	5	4
1993	81	74	5	7
1994	62	53	5	5
1995	58	52	5	5
1996	66	60	6	3
1997	110	101	6	4
1998	101	95	6	4

^{1/} Includes canned apple slices, baby food, etc.

Table 30. **APPLES:** Holdings in Cold Storage, New York, End of Month, 1989-1998

Month	Total Holdings ^{1/}									
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	<i>1,000 bushels</i>									
September	2,954	3,569	4,962	2,677	2,286	3,163	3,731	3,319	3,715	4,425
October	6,397	8,572	8,722	9,115	8,321	8,380	8,139	7,891	8,874	8,427
November	6,740	7,874	7,921	9,199	7,420	8,347	7,861	8,135	9,279	7,620
December	5,976	6,539	6,910	8,170	6,463	7,321	7,019	7,021	8,429	6,696
January	4,838	5,550	5,435	7,140	5,365	5,959	5,789	5,641	7,302	6,160
February	3,753	4,021	4,051	5,737	4,214	4,773	4,338	4,759	6,056	4,653
March	2,724	2,737	2,689	3,859	2,938	3,108	3,176	3,449	4,752	3,344
April	1,757	1,450	1,480	2,662	2,010	1,887	1,915	1,941	3,182	1,932
May	798	625	605	1,468	1,116	840	1,037	1,016	2,150	1,000
June	303	240	161	535	421	286	415	440	1,286	523
July	158	106	61	252	<u>2/</u>	68	243	201	751	
August	52	117	66	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	433	
Month	Controlled Atmosphere Storage ^{1/}									
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	<i>1,000 bushels</i>									
September	1,587	1,765	2,603	1,178	1,256	1,804	2,337	2,011	2,294	2,100
October	3,698	4,907	4,903	5,657	5,705	5,070	5,209	5,060	5,115	4,758
November	4,062	4,991	5,071	5,756	5,476	5,487	5,344	5,454	6,164	4,806
December	3,976	4,788	5,041	5,793	5,107	5,290	5,304	5,311	6,197	4,773
January	3,710	4,465	4,338	5,579	4,542	4,547	4,665	4,530	5,720	4,731
February	3,121	3,408	3,464	4,784	3,765	3,808	3,620	3,989	4,923	3,888
March	2,504	2,404	2,370	3,468	2,720	2,606	2,780	2,976	3,990	2,968
April	1,686	1,327	1,301	2,508	1,889	1,680	1,765	1,759	2,730	1,762

^{1/} Crop harvested in year indicated.

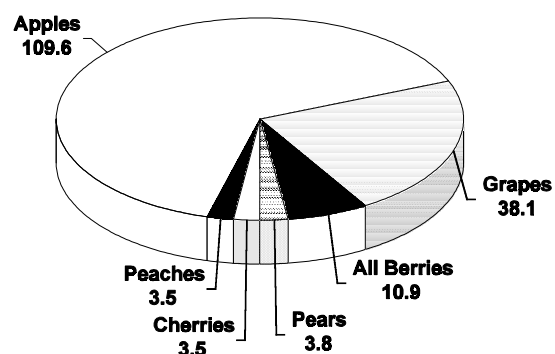
^{2/} Not published to avoid disclosure of individual operations.

Table 31. **TART CHERRIES:** Bearing Acres, Production, Utilization, and Value, 1989-1998

Crop year	Acres of bearing age	Production				Fresh Use		Processed	
		Total	Utilized ^{1/}	Marketing year average price	Value of utilized production	Quantity	Marketing year average price	Total	Marketing year average price
	<i>Thous.</i>	<i>Million lbs.</i>		<i>Cents per lb.</i>	<i>1,000 dol.</i>	<i>Mil. lbs.</i>	<i>Cents per lb.</i>	<i>Mil. lbs.</i>	<i>Cents per lb.</i>
1989	5.0	31.0	22.5	15.1	3,396	0.5	50.0	22.0	14.3
1990	4.7	16.5	13.3	20.8	2,765	0.3	55.0	13.0	20.0
1991	4.0	25.5	25.5	45.0	11,480	0.2	60.0	25.3	44.9
1992	4.0	31.0	22.1	18.2	4,015	0.1	55.0	22.0	18.0
1993	4.0	15.7	15.2	10.3	1,570	0.1	60.0	15.1	10.0
1994	4.0	26.0	23.7	12.4	2,934	0.1	55.0	23.6	12.2
1995	4.0	32.0	20.0	5.6	1,116	0.2	63.0	19.8	5.0
1996	3.5	19.0	14.2	14.4	2,042	0.2	76.0	14.0	13.5
1997	2.6	14.5	13.2	17.3	2,286	0.2	103.0	13.0	16.0
1998	2.6	14.0	12.2	18.0	2,200	0.2	98.0	12.0	16.7

^{1/} Excludes mature fruit not harvested.Table 32. **SWEET CHERRIES:** Bearing Acres, Production, and Value, 1989-1998

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized ^{1/}		
	<i>Thous.</i>	<i>Tons</i>		<i>\$ per ton</i>	<i>1,000 dol.</i>
1989	0.65	1,350	1,180	783	924
1990	0.6	1,000	700	743	520
1991	0.5	1,250	1,200	901	1,081
1992	0.5	1,100	510	976	498
1993	0.45	700	700	850	595
1994	0.45	900	820	850	697
1995	0.45	1,100	1,000	960	960
1996	0.50	700	600	1,420	854
1997	0.75	650	620	1,720	1,069
1998	0.75	700	650	2,070	1,346

^{1/} Excludes mature fruit not harvested.Figure 2.
**RELATIVE VALUE OF NEW YORK
FRUIT CROPS, 1998**
(Million Dollars)Table 33. **PEACHES:** Bearing Acres, Production, and Value, 1989-1998

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized ^{1/}		
	<i>Thous.</i>	<i>Million pounds</i>		<i>¢ per lb.</i>	<i>1,000 dol.</i>
1989	2.1	12.5	12.3	29.4	3,622
1990	2.1	14.0	13.7	27.6	3,781
1991	1.9	15.0	13.5	27.4	3,702
1992	1.9	14.0	13.7	26.2	3,595
1993	1.6	9.0	9.0	29.6	2,660
1994	1.6	7.0	7.0	25.1	1,757
1995	1.6	11.5	11.0	20.7	2,280
1996	1.6	12.0	11.5	34.8	4,003
1997	1.6	12.0	11.5	46.1	5,296
1998	1.6	10.0	8.5	41.6	3,538

^{1/} Excludes mature fruit not harvested.Table 34. **PEARS:** Bearing Acres, Production, and Value, 1989-1998

Crop year	Acres of bearing age	Production		Marketing year avg. price	Value of utilized production
		Total	Utilized ^{1/}		
	<i>Thous.</i>	<i>Tons</i>		<i>\$ per ton</i>	<i>1,000 dol.</i>
1989	2.8	16,500	16,300	223	3,631
1990	2.3	14,600	14,600	253	3,687
1991	2.3	14,500	14,500	275	3,981
1992	2.4	16,500	15,500	305	4,734
1993	2.4	15,000	14,500	261	3,781
1994	2.4	16,000	16,000	303	4,848
1995	2.5	14,500	14,500	372	5,392
1996	2.4	15,000	15,000	383	5,748
1997	2.0	8,000	8,000	384	3,070
1998	2.0	11,500	10,000	375	3,754

^{1/} Excludes mature fruit not harvested.

Table 35. **GRAPES:** Bearing Acres, Production, Utilization, and Value, 1989-1998

Crop Year	Acres of bearing age	Production				Fresh Use	
		Total all varieties	Utilized all varieties ^{1/}	Marketing year average price	Value of utilized production	Quantity	Marketing year average price
	<u>Thous.</u>	<u>Tons</u>	<u>Tons</u>	<u>\$ per ton</u>	<u>1,000 dollars</u>	<u>Tons</u>	<u>\$ per ton</u>
1989	35.5	152,000	152,000	277	42,136	4,000	470
1990	33.0	144,000	144,000	286	41,172	3,000	470
1991	32.5	192,000	192,000	254	48,789	3,000	450
1992	33.0	180,000	170,000	221	37,584	2,000	480
1993	32.5	118,000	118,000	222	26,165	3,000	480
1994	33.0	190,000	187,000	213	39,761	4,000	470
1995	33.0	165,000	163,000	228	37,218	4,000	480
1996	33.0	189,000	184,000	257	47,220	4,000	600
1997	31.5	139,000	137,000	284	38,952	3,000	790
1998	31.5	128,000	125,000	305	38,146	2,000	500
Crop Year	Processed						
	Quantity	Marketing year average price	Wine	Marketing year average price	Sweet Juice and Other	Marketing year average price	
	<u>Tons</u>	<u>\$ per ton</u>	<u>Tons</u>	<u>\$ per ton</u>	<u>Tons</u>	<u>\$ per ton</u>	
1989	148,000	272	56,700	270	91,300	273	
1990	141,000	282	54,700	263	86,300	294	
1991	189,000	251	71,000	254	118,000	249	
1992	168,000	218	58,000	244	110,000	205	
1993	115,000	215	41,000	236	74,000	203	
1994	183,000	207	82,000	217	101,000	198	
1995	159,000	222	51,000	259	108,000	205	
1996	180,000	249	58,000	282	122,000	234	
1997	134,000	273	44,000	328	90,000	246	
1998	123,000	302	36,000	392	87,000	265	

Table 36. **GRAPES:** Total Grapes Processed in New York Plants, 1989-1998 ^{1/}

Crop Year	Received from		Primary utilization		Total
	New York	Other States and Canada	Wine	Sweet Juice and Other	
	<u>Tons</u>				
1989	123,769	13,675	69,154	68,290	137,444
1990	116,524	14,754	62,026	69,252	131,278
1991	148,320	14,871	79,611	83,580	163,191
1992	138,038	17,615	67,393	88,260	155,653
1993	83,205	9,944	43,799	49,350	93,149
1994	141,483	17,546	89,238	69,791	159,029
1995	126,469	15,925	56,217	86,177	142,394
1996	143,441	21,047	65,372	99,116	164,488
1997	110,098	17,973	46,532	81,539	128,071
1998	103,915	19,452	43,190	80,177	123,367

^{1/} Excludes New York grown grapes processed in other states.

Table 37. **GRAPES:** New York Grown Grapes Processed, by Variety, 1989-1998 1/

Variety	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<u>American Varieties:</u>										
Catawba	7,887	9,855	13,252	10,124	6,636	10,116	8,700	7,900	7,335	6,090
Concord	100,150	97,551	134,357	123,919	82,914	136,000	111,000	139,000	96,600	89,400
Delaware	3,237	2,741	4,051	1,937	2,407	2,316	2,350	1,650	1,010	550
Ives <u>3/</u>									130	115
Elvira	4,227	3,662	4,501	3,606	3,533	4,826	4,600	5,100	4,110	3,080
Niagara	11,962	9,188	9,934	9,676	9,623	15,300	15,600	10,700	12,800	10,000
<u>French Hybrids:</u>										
Aurora	8,538	6,754	7,963	7,204	3,121	6,282	5,250	4,900	3,295	4,080
Baco Noir	1,202	1,141	1,695	1,449	824	923	1,300	1,200	670	890
Cayuga White	1,311	895	1,107	1,143	313	523	740	1,000	630	840
DeChaunac	2,484	2,010	2,611	1,385	1,363	1,126	1,450	910	575	710
Rougeon	586	783	1,046	587	414	735	800	720	585	420
Seyval Blanc	1,185	1,311	1,361	1,215	575	678	900	900	600	650
Vitis Vinifera, All	1,946	2,064	2,919	2,422	1,115	1,134	3,435	3,700	3,650	4,015
Other	2,714	2,584	3,653	2,969	1,939	2,743	2,625	2,200	2,010	2,160
TOTAL	148,000	141,000	189,000	168,000	115,000	183,000	159,000	180,000	134,000	123,000

1/ Includes New York grown grapes received at out-of-state plants.2/ Includes other American and French Hybrid varieties not shown.3/ Estimates began in 1997.Table 38. **GRAPES:** New York Grown Grapes Processed, by Area of Production, 1989-1998 1/

Crop Year	Chautauqua-Erie <u>2/</u>	Niagara County	Finger Lakes <u>3/</u>	Other <u>4/</u>	State Total
<i>Tons</i>					
1989	90,218	4,147	50,844	2,791	148,000
1990	83,850	5,758	49,947	1,445	141,000
1991	121,884	5,753	59,465	1,898	189,000
1992	109,920	4,705	49,895	3,480	168,000
1993	73,021	5,275	34,496	2,208	115,000
1994	124,033	4,908	50,588	3,471	183,000
1995	98,346	7,398	50,299	2,957	159,000
1996	122,228	5,879	45,676	6,217	180,000
1997	89,383	3,986	37,572	3,059	134,000
1998	84,507	2,889	33,026	2,578	123,000

1/ Includes New York grown grapes received at out-of-state plants.2/ Includes Cattaraugus County.3/ Includes Ontario, Seneca, Schuyler, Steuben and Yates Counties.4/ Includes Hudson Valley, Long Island and other areas not listed.

Table 39. **BERRIES:** Bearing Acres, Yield, Production, and Value, 1989-1998

Crop Year	Acres of bearing age	Harvested	Production		Marketing year average price	Value of utilized production
			Total	Utilized		
	<u>Acres</u>	<u>Acres</u>	<u>1,000 pounds</u>		<u>\$ per cwt.</u>	<u>1,000 dol.</u>
<u>STRAWBERRIES</u>						
1989	2,500	2,400	13,400		87.50	11,725
1990	2,800	2,500	15,800		83.00	13,114
1991	3,000	2,600	14,600		75.90	11,081
1992	2,900	2,600	7,800		107.00	8,346
2,800	2,600	15,600		136.00	21,216	
2,500	2,400	9,600		112.00	10,752	
2,400	2,200	7,700		107.00	8,239	
1996	2,000	1,900	7,400		120.00	8,880
1997	1,700	1,600	6,700		101.00	6,767
1998	1,700	1,600	6,100		115.00	7,015
<u>BLUEBERRIES</u>					<u>\$ per lb.</u>	
1992	700	650	1,500	1,300	.88	1,144
1993	600	560	1,680	1,680	.98	1,646
1994	660	660	1,400	1,300	1.08	1,404
1995	600	600	1,200	1,100	1.00	1,104
1996	650	650	1,300	1,200	1.02	1,229
1997	700	700	1,600	1,500	1.07	1,602
1998	700	700	1,700	1,600	1.03	1,640
<u>RED RASPBERRIES</u>						
1995	450	450	980	840	1.40	1,178
1996	450	450	1,000	900	1.66	1,493
1997	450	450	1,400	1,300	1.85	2,406
1998	450	450	1,200	1,000	2.20	2,200

Table 40. **FRUIT:** Yield Per Acre of Bearing Age, 1989-1998 1/

Fruit	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
	<u>Pounds</u>									
Apples	16,600	17,700	19,100	20,900	15,500	19,300	19,300	17,900	20,400	19,500
Sweet Cherries	4,160	3,340	5,000	4,400	3,120	4,000	4,880	2,800	1,730	1,870
Tart Cherries	6,200	3,510	6,380	7,750	3,930	6,500	8,000	5,430	5,580	5,380
Peaches	5,950	6,670	7,890	7,370	5,630	4,380	7,190	7,500	7,500	6,250
Pears	11,780	12,680	12,600	13,760	12,500	13,340	11,600	12,500	8,000	11,500
Grapes	8,560	8,720	11,820	10,900	7,260	11,520	10,000	11,450	8,830	8,130
Blueberries 2/				2,000	3,000	1,970	1,830	1,850	2,140	2,290
Strawberries	5,360	5,640	4,870	3,000	6,000	4,000	3,500	3,890	4,200	3,810
Red Raspberries 3/							2,180	2,220	3,110	2,670

1/ Includes unharvested production and fruit harvested but not sold due to marketing conditions.

2/ Estimates began 1992. Yield based on utilized production.

3/ Estimates began 1995.

FLORICULTURE

New York floriculture production ranked sixth in the Nation for total commercial sales. Value of sales for all plant categories except foliage for indoor or patio use and flowering hanging baskets increased from a year earlier.

Bedding and garden plants again had the highest value of sales, at \$75.7 million. This is an increase of \$8.38 million from 1997. Potted flowering plants was second with a value of sales of \$40.5 million, an increase of \$3.43 million. Third was flowering hanging baskets at \$9.15 million, a decrease of \$489,000. Fourth was cut flowers at \$6.46 million, an increase of \$337,000.

Next was foliage for indoor or patio use which decreased \$426,000 to \$1.49 million.

The number of commercial growers increased for the third consecutive year. During 1998 there were 965 operations. The area used to produce floriculture crops in the state also continued a steady climb. Greenhouse space increased 2.29 million square feet from 1997 to total 24.9 million square feet in 1998. This increase pushed the total covered area (*greenhouse plus shade and temporary structures*) to 25.4 million square feet, 10 percent more than existed during 1997.

Table 41. **FLORICULTURE:** Growers and Growing Area, 1994-1998 ^{1/}

	1994	1995	1996	1997	1998
Commercial Growers (Number)	576	548	569	897	965
Growing Area: Open Ground (Acres)	383	351	410	779	1,628
Cover: Total Greenhouse (1,000 sq. ft.)	19,920	18,187	19,301	22,635	24,921
Shade & Temporary (1,000 sq. ft.)	307	434	511	394	462
Total Covered Area (1,000 sq. ft.)	20,227	18,621	19,812	23,029	25,383

^{1/} Includes growers with sales of \$10,000 or more.

Table 42. **FLORICULTURE:** Value of Sales by Plant Category, 1994-1998 ^{1/}

Plant Category	1998 Rank	1994	1995	1996	1997	1998
		<i>1,000 Dollars</i>				
Cut Flowers	8	8,023	7,615	6,837	6,125	6,462
Potted Flowering Plants	3	33,190	31,944	24,234	37,106	40,537
Total Foliage for Indoor or Patio Use	21	2,451	2,165	1,636	1,919	1,493
Bedding/Garden Plants	6	57,999	61,339	52,578	67,321	75,704
Flowering Hanging Baskets	-	8,094	7,172	7,716	9,641	9,152
Total of Reported Crops ^{2/}	6	109,757	110,232	93,008	122,114	133,358
Grower Sales \$10,000-\$99,999 (Unspecified crops)		15,480	15,960	15,615	25,380	26,100
TOTAL COMMERCIAL SALES	6	125,237	126,192	108,623	147,494	159,458

^{1/} Equivalent wholesale value of all crops except potted foliage plants. Potted foliage is net value of sales. Detailed data by plant category and the total of reported crops is for growers with sales of \$100,000 or more. The aggregate sales of unspecified crops by growers with sales of \$10,000 to \$99,999 are shown separately.

^{2/} Includes cut cultivated greens.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<i>Number</i>	<i>1,000 Sq. ft.</i>	<i>Blooms</i>	<i>1,000 Dollars</i>
<u>CUT FLOWERS</u>				
<u>Chrysanthemums - Standard</u>				
1994	11	74	376	267
1995	9	57	350	218
1996	10	49	343	224
1997	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1998	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
<u>Chrysanthemums - Pompon</u>			<i>Bunches</i>	
1994	13	39	39	129
1995	9	26	23	87
1996	7	18	18	144
1997	9	15	18	144
1998	4	14	9	27
<u>Gladioli</u>		<i>Acres</i>	<i>Spikes</i>	
1994	9	5	98	39
1995	8	3	83	33
1996	7	4	89	36
1997	8	6	106	42
1998	4	5	61	27
<u>Roses, Hybrid Tea</u>		<i>1,000 Sq. ft.</i>	<i>Blooms</i>	
1994	9	416	7,608	5,127
1995	7	372	7,069	4,810
1996	6	375	6,339	4,101
1997	6	438	5,808	3,618
1998	5	393	4,547	2,974
<u>Roses, Sweetheart</u>				
1994	6	70	1,433	580
1995	4	32	861	328
1996	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1997	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1998	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
<u>Other Cut Flowers</u>				
1994	30	402	N/A	1,847
1995	30	462	N/A	2,069
1996	30	724	N/A	1,952
1997	28	2,102	N/A	1,858
1998	25	3,976	N/A	3,163

See footnotes at end of table.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998 (*Continued*)

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<i>Number</i>	<i>1,000 Sq. ft.</i>	<i>Pots</i>	<i>1,000 Dollars</i>
<u>POTTED FLOWERING PLANTS</u>				
<u>African Violets</u>				
1994	17	263	1,438	1,514
1995	16	301	1,301	1,537
1996	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1997	16	N/A	1,276	1,289
1998	16	N/A	1,219	1,195
<u>Chrysanthemums</u> (Excluding Hardy/Garden Mums)				
1994	62	1,799	1,400	2,807
1995	64	1,720	1,398	2,793
1996	61	598	1,078	2,583
1997	53	N/A	966	2,003
1998	49	N/A	1,057	2,547
<u>Finished Florist Azaleas</u>				
1994	40	2,131	4,287	10,473
1995	37	2,102	4,233	10,232
1996	42	844	1,807	3,867
1997	47	N/A	3,923	8,142
1998	33	N/A	3,828	7,693
<u>Easter Lilies</u>				
1994	83	468	564	1,997
1995	70	428	547	1,975
1996	71	405	662	2,191
1997	79	N/A	3,383	10,333
1998	61	N/A	3,302	10,133
<u>Other Lilies</u>				
1994	39	122	121	469
1995	29	244	184	981
1996	<u>3/</u>	<u>3/</u>	<u>3/</u>	<u>3/</u>
1997	<u>3/</u>	N/A	<u>3/</u>	<u>3/</u>
1998	<u>3/</u>	N/A	<u>3/</u>	<u>3/</u>
<u>Poinsettias</u>				
1994	134	3,920	3,147	9,422
1995	119	3,188	2,627	8,006
1996	120	3,529	2,901	8,037
1997	135	N/A	3,131	8,584
1998	123	N/A	3,075	8,545

See footnotes at end of table.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998 (Continued)

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<u>Number</u>	<u>1,000 Sq. ft.</u>	<u>Pots</u>	<u>1,000 Dollars</u>
<u>POTTED FLOWERING PLANTS</u>				
<i>(Continued)</i>				
<u>Cyclamen</u>				
1994	29	369	502	1,325
1995	30	336	441	1,219
1996	35	295	404	1,014
1997	37	N/A	400	1,047
1998	36	N/A	517	1,328
<u>Kalanchoe</u>				
1994	11	105	409	546
1995	9	37	63	118
1996	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1997	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1998	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
<u>Other Potted Flowering Plants ^{4/}</u>				
<i>(Excluding blooming annuals)</i>				
1994	77	855	1,443	4,637
1995	67	645	1,467	5,083
1996	72	825	1,392	4,085
1997	87	N/A	1,261	3,235
1998	99	N/A	2,944	6,023
<u>BEDDING/GARDEN PLANTS</u>				
<u>Geraniums, Flats</u>			<u>Flats</u>	
1994	53	422	223	2,000
1995	46	300	153	1,547
1996	48	584	317	2,387
1997	60	N/A	248	2,225
1998	40	N/A	256	2,363
<u>Impatiens, Flats</u>				
1994	134	2,269	1,200	8,388
1995	139	2,316	1,261	10,277
1996	151	2,794	1,282	9,153
1997	198	N/A	1,659	11,547
1998	180	N/A	1,330	7,209
<u>New Guinea Impatiens, Flats</u>				
1994	32	94	48	444
1995	27	286	156	1,548
1996	36	257	130	1,105
1997	43	N/A	67	604
1998	17	N/A	106	1,357
<u>Petunias, Flats</u>				
1994	126	938	486	3,387
1995	133	792	421	3,511
1996	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>
1997	196	N/A	457	2,875
1998	185	N/A	481	2,799

See footnotes at end of table.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998 (*Continued*)

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<i>Number</i>	<i>1,000 Sq. ft.</i>	<i>Flats</i>	<i>1,000 Dollars</i>
<u>BEDDING/GARDEN PLANTS</u>				
<i>(Continued)</i>				
<u>Other Flowering and Foliar Type, Flats</u>				
1994	180	4,417	2,323	16,656
1995	166	4,195	2,281	17,906
1996	172	3,177	1,689	12,195
1997	211	N/A	2,394	14,244
1998	211	N/A	2,599	15,906
<u>Vegetable Type, Flats</u>				
1994	163	1,012	536	4,041
1995	145	943	518	4,134
1996	155	935	485	3,638
1997	179	N/A	634	4,603
1998	120	N/A	936	4,839
<u>Hardy/Garden Chrysanthemums, Potted</u>			<i>Pots</i>	
1994	132	2,675	2,297	3,978
1995	120	2,370	2,255	3,861
1996	128	4,219	2,851	4,456
1997	158	N/A	3,606	5,471
1998	137	N/A	2,416	6,255
<u>Geraniums, Potted - Cuttings</u>				
1994	167	1,849	5,033	6,089
1995	152	2,234	7,427	7,321
1996	159	1,961	4,934	5,974
1997	202	N/A	5,194	7,488
1998	194	N/A	5,209	8,333
<u>Geraniums, Potted - Seed</u>				
1994	49	1,073	3,942	3,549
1995	43	899	3,494	2,851
1996	45	630	3,120	2,958
1997	47	N/A	3,747	2,885
1998	46	N/A	3,162	2,624
<u>Impatiens, Potted</u>				
1994	48	155	364	356
1995	42	194	462	440
1996	44	126	365	356
1997	63	N/A	580	634
1998	53	N/A	493	553

See footnotes at end of table.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998 (*Continued*)

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<i>Number</i>	<i>1,000 Sq. ft.</i>	<i>Pots</i>	<i>1,000 Dollars</i>
<u>BEDDING/GARDEN PLANTS</u>				
<i>(Continued)</i>				
<u>New Guinea Impatiens, Potted</u>				
1994	92	367	898	1,257
1995	102	353	896	1,292
1996	112	429	1,067	1,478
1997	162	N/A	1,424	2,242
1998	165	N/A	1,474	2,350
<u>Petunias, Potted</u>				
1994	22	55	88	106
1995	25	54	84	104
1996	31	95	117	140
1997	37	N/A	155	283
1998	46	N/A	178	249
<u>Other Flowering & Foliar Type, Potted</u>				
1994	124	2,622	5,206	7,022
1995	109	1,468	3,660	5,365
1996	105	1,371	3,027	4,564
1997	178	N/A	7,762	11,130
1998	199	N/A	11,470	19,866
<u>Vegetable Type, Potted</u>				
1994	60	177	779	726
1995	64	332	1,083	1,182
1996	62	251	1,129	1,295
1997	81	N/A	1,070	1,090
1998	49	N/A	848	1,001
<u>Flowering Hanging Baskets</u>			<i>Baskets</i>	
1994	185	N/A	656	4,015
1995	159	N/A	472	3,177
1996	172	N/A	463	3,185
1997	202	N/A	713	4,064
1998	172	N/A	689	4,299
<u>Geranium Hanging Baskets</u>				
1994	135	N/A	185	1,273
1995	136	N/A	146	1,069
1996	151	N/A	227	1,596
1997	190	N/A	252	1,787
1998	141	N/A	233	1,773
<u>Impatiens Hanging Baskets</u>				
1994	130	N/A	178	913
1995	129	N/A	176	954
1996	146	N/A	196	1,201
1997	169	N/A	185	1,049
1998	123	N/A	135	855

See footnotes at end of table.

Table 43. **FLORICULTURE:** Production, Sales, and Value,
by Type of Plant, 1994-1998 (Continued)

Year	Producers reporting	Area in production	Quantity sold (Thousands)	Value of sales ^{1/}
	<u>Number</u>	<u>1,000 Sq. ft.</u>	<u>Baskets</u>	<u>1,000 Dollars</u>
<u>BEDDING/GARDEN PLANTS</u>				
<i>(Continued)</i>				
<u>New Guinea Impatiens Hanging Baskets</u>				
1994	104	N/A	300	1,698
1995	112	N/A	303	1,739
1996	116	N/A	219	1,448
1997	148	N/A	382	2,200
1998	129	N/A	247	1,766
<u>Petunia Hanging Baskets</u>				
1994	77	N/A	37	195
1995	86	N/A	48	233
1996	105	N/A	48	286
1997	164	N/A	88	541
1998	134	N/A	79	459
<u>FOLIAGE PLANTS FOR INDOOR OR PATIO USE</u>				
<u>Foliage Hanging Baskets</u>				
1994	63	N/A	241	1,125
1995	50	N/A	180	923
1996	51	N/A	205	894
1997	51	N/A	126	554
1998	28	N/A	150	617
<u>Potted Foliage</u>				
			<u>Pots</u>	
1994	46	173	N/A	1,326
1995	41	140	N/A	1,242
1996	44	183	N/A	742
1997	42	196	N/A	1,365
1998	34	260	N/A	876

N/A - Not available.

^{1/} Equivalent wholesale value of all crops except potted foliage plants.
For potted foliage, value is based on net value of sales.

^{2/} Not published to avoid disclosing individual operations.

^{3/} Included in "Other Potted Flowering Plants."

^{4/} Includes "Other Lillies" beginning in 1996.

MAPLE

New York's 1999 maple syrup production is estimated at 195,000 gallons, down 16 percent from last year's production of 231,000 gallons. The number of taps made, at 1.19 million, was up three percent from the previous year level of 1.16 million. Erratic sap runs throughout the state decreased yields to .164 gallons of syrup per tap, down 18 percent from the .199 yield per tap in 1998. The value of this year's syrup crop was placed at \$5.01 million, down 19 percent from the 1998 crop value of \$6.20 million. New York ranks second in maple syrup production behind Vermont.

New York's 1999 maple season was hampered by uncooperative weather. Temperatures were favorable in

February, but as March came, temperatures dropped. A lack of moisture and strong north winds reduced sap flow. Lack of snow in most areas aided cleanup of sugar bushes damaged by last year's ice storm.

The 1999 sugaring season averaged 34 days long, three days longer than both the previous year and the ten-year average. Statewide, the average dates of the season were February 27 to April 2. Despite the long season, many producers commented it was either too warm or too cold for optimal flow. Sap was of average sweetness, requiring an average of 43 gallons of sap to make one gallon of syrup. Syrup quality was good - mostly medium to light in color.

Table 44. **MAPLE SYRUP:** Production and Value, 1989-1999

Crop Year	Syrup made	Average date		Gallons of sap per gallon of syrup	Average price per gallon	Value of production
		First run made	Last run made			
	<u>1,000 gals.</u>			<u>Gallons</u>	<u>Dollars</u>	<u>1,000 dollars</u>
1989	325	Mar. 15	Apr. 10	39	23.90	7,768
1990	249	Feb. 25	Mar. 29	48	23.70	5,901
1991	308	Feb. 27	Apr. 2	48	23.30	7,176
1992	400	Mar. 5	Apr. 12	41	23.40	9,360
1993	180	Mar. 20	Apr. 9	40	18.70	3,366
1994	251	Mar. 16	Apr. 11	41	24.50	6,150
1995	208	Mar. 4	Apr. 1	47	23.50	4,888
1996	343	Mar. 5	Apr. 10	40	25.50	8,747
1997	269	Mar. 4	Apr. 7	48	25.10	6,752
1998	231	Feb. 25	Mar. 28	41	26.85	6,202
1999 <u>1/</u>	195	Feb. 27	Apr. 2	43	25.70	5,012

1/ Average price per gallon and value of production are preliminary.